


<b>FORM PTO-1449</b> 	<b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	<b>ATTY. DOCKET NO.</b> ENT/4	<b>APPLN. NO.</b> 10/646,284
		<b>APPLICANT</b> Anita H. Lewin et al.	<b>CONFIRMATION NO.</b> 9373
		<b>FILING DATE</b> August 21, 2003	<b>GROUP</b> 1625

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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<i>BD</i>	5,663,345	09/02/97	Somers et al.	546	127	
<i>BD</i>	5,559,123	09/24/96	Somers et al.	514	304	
<i>BD</i>	5,376,667	12/27/94	Somers et al.	514	304	
<i>BD</i>	4,556,663	12/03/85	Somers	514	304	
<i>BD</i>	4,512,996	04/23/85	Somers	514	304	
<i>BD</i>	4,469,700	09/04/84	Somers	424	265	
<i>BD</i>	2,948,730	08/09/60	Rudner et al.	260	292	
<i>BD</i>	2,893,996	07/07/59	Rudner et al.	260	292	

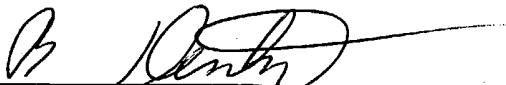
### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
<i>BD</i>	W.H. Anderson and D.T. Stafford, "Applications of Capillary Gas Chromatography in Routine Toxicological Analyses", <u>J. High Resolut. Chromatogr., Chromatogr. Commun.</u> , 6, pp. 247-254 (1983)
<i>BD</i>	M.R. Bell and S. Archer, "L(+)-2-Tropinone", <u>J. Amer. Chem. Soc.</u> , 82, pp. 4642-4644 (1960)
<i>BD</i>	R. Bingham, "Esterene in the Treatment of Rheumatoid Arthritis", <u>Arthritis News Today</u> , 2(7), pp. 1-4 (1980)

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10-6-2004

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BD	C.S. Boyer and D.R. Petersen, "Enzymatic Basis for the Transesterification of Cocaine in the Presence of Ethanol: Evidence for the Participation of Microsomal Carboxylesterases", <u>J. Pharmacol. Exp. Ther.</u> , 260(3), pp. 939-946 (1992)
BD	M.R. Brzezinski et al., "Convenient Synthesis of Benzoylcegonine Ethyl Ester, a Homolog of Cocaine", <u>Synth. Commun.</u> , 22(7), pp. 1027-1032 (1992)
BD	R.D. Budd, "Cocaine Radioimmunoassay - Structure Versus Reactivity", <u>Clin. Toxicol.</u> , 18(7), pp. 773-782 (1981)
BD	H. Bundgaard, <u>Design of Prodrugs</u> , Elsevier, Amsterdam, pp. 1-2 (1985)
BD	D.T. Chia and J.A. Gere, "Rapid Drug Screening Using Toxi-Lab® Extraction Followed by Capillary Gas Chromatography/Mass Spectroscopy", <u>Clin. Biochem.</u> , 20, pp. 303-306 (1987)
BD	T. Cohen et al., "The Direction of Opening of Styrene Oxide by Acetic Acid", <u>J. Org. Chem.</u> , 27, p. 814-819 (1962)
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BD	C. Csongar et al., <u>J. f. prakt. Chemie.</u> , 329(6), pp. 1111-1115 (1987)
BD	R.A. Dean et al., "Human Liver Cocaine Esterases: Ethanol-Mediated Formation of Ethylcocaine", <u>FASEB J.</u> , 5, pp. 2735-2739 (1991)
BD	F. Fish and W.D.C. Wilson, "Excretion of Cocaine and its Metabolites in Man", <u>J. Pharm. Pharmac.</u> , 21 Suppl., pp. 135S-138S (1969)
BD	J.R. Fozard et al., "Structure-Activity Relationship of Compounds Which Block Receptors for 5-Hydroxytryptamine on the Sympathetic Nerves of the Rabbit Heart", <u>Br. J. Pharmacol.</u> , 61(3), pp. 499P-500P (1977)
BD	J.R. Fozard et al., "Blockade of Serotonin Receptors on Autonomic Neurones by (-)-Cocaine and Some Related Compounds", <u>Eur. J. Pharmacol.</u> , 59, pp. 195-210 (1979)
BD	J.M.G. Galvez and A.P. de Abram, "Cocaína: Avances en su Investigacion", <u>Bol. Soc. Quim. Peru</u> , 56, pp. 12-20 (1989)
BD	W.L. Hearn et al., "Cocaethylene is More Potent than Cocaine in Mediating Lethality", <u>Pharmacol. Biochem. Behav.</u> , 39(2), pp. 531-533 (1991)
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BD	G.W. Hime et al., "Analysis of Cocaine and Cocaethylene in Blood and Tissues by GC-NPD and GC-Ion Trap Mass Spectrometry", <u>J. Anal. Toxicol.</u> , 15, pp. 241-245 (1991)
BD	P. Jatlow et al., "Cocaethylene: A Neuropharmacologically Active Metabolite Associated with Concurrent Cocaine-Ethanol Ingestion", <u>Life Sci.</u> , 48(18), pp. 1787-1794 (1991)
BD	J.L. Katz et al., "Comparative Behavioral Pharmacology and Toxicology of Cocaine and its Ethanol-Derived Metabolite, Cocaine Ethyl-Ester (Cocaethylene)", <u>Life Sci.</u> , 50(18), pp. 1351-1361 (1992)
BD	A.H. Lewin et al., "2 $\beta$ -Substituted Analogues of Cocaine. Synthesis and Inhibition of Binding to the Cocaine Receptor", <u>J. Med. Chem.</u> , 35(1), pp. 135-140 (1992)
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BD	<u>Medical World News</u> , "FP Giving Cocaine for Arthritis is Beset But Gains a Major Ally", pp. 19-20 (1979)
BD	A.L. Misra et al., "Physiologic Disposition and Metabolism of [ <sup>3</sup> H]Ecgonine (Cocaine Metabolite) in the Rat", <u>Res. Commun. Chem. Pathol. Pharmacol.</u> , 8(1), pp. 55-63 (1974)
BD	A.L. Misra and S.J. Mule, "Calcium-Binding Property of Cocaine and Some of its Active Metabolites - Formation of Molecular Complexes", <u>Res. Comm. Chem. Pathol. Pharmacol.</u> , 11(4), pp. 663-666 (1975)
BD	A.L. Misra et al., "Estimation and Disposition of [ <sup>3</sup> H]Benzoylcegonine and Pharmacological Activity of Some Cocaine Metabolites", <u>J. Pharm. Pharmac.</u> , 27, pp. 784-786 (1975)
BD	A.L. Misra et al., "Disposition of [ <sup>3</sup> H]-Benzoylnorecgonine (Cocaine Metabolite) in the Rat", <u>Res. Commun. Chem. Pathol. Pharmacol.</u> , 13(4), pp. 579-584 (1976)
BD	C. Moore et al., "Determination of Cocaine and its Metabolites in Brain Tissue Using High-Flow Solid-Phase Extraction Columns and High-Performance Liquid Chromatography", <u>Forensic Sci. Intl.</u> , 53(2), pp. 215-219 (1992)
BD	S.J. Mule et al., "Intracellular Disposition of [ <sup>3</sup> H]-Cocaine, [ <sup>3</sup> H]-Norcocaine, [ <sup>3</sup> H]-Benzoylcegonine and [ <sup>3</sup> H]-Benzoylnorecgonine in the Brain of Rats", <u>Life Sci.</u> , 19, pp. 1585-1596 (1976)
BD	A. Pautard-Cooper and S.A. Evans, Jr., "Mechanistic Implications of 1,3,2 $\lambda^5$ -Dioxaphospholanes in the Mitsunobu Reaction", <u>J. Org. Chem.</u> , 54, pp. 2485-2488 (1989)

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B/D	M. Perez-Reyes and A.R. Jeffcoat, "Ethanol/Cocaine Interaction: Cocaine and Cocaethylene Plasma Concentrations and Their Relationship to Subjective and Cardiovascular Effects", <u>Life Sci.</u> , 51(8), pp. 553-563 (1992)
B/D	M. Polášek et al., "Determination of Limiting Ionic Mobilities and Dissociation Constants of Some Local Anaesthetics", <u>J. Chromatogr.</u> , 596, pp. 265-270 (1992)
B/D	R.H. Prager and Z. Yurui, "Preparation of Carboxylate Esters of Polyhydric Alcohols by Using a Sulfonated Charcoal Catalyst", <u>Aust. J. Chem.</u> , 42(6), pp. 1003-1005 (1989)
B/D	F.K. Rafla and R.L. Epstein, "Identification of Cocaine and its Metabolites in Human Urine in the Presence of Ethyl Alcohol", <u>J. Anal. Toxicol.</u> , 3, pp. 59-63 (1979)
B/D	M.E.A. Reith et al., "Locomotor Effects of Cocaine, Cocaine Congeners, and Local Anesthetics in Mice", <u>Pharmacol. Biochem. Behav.</u> , 23, pp. 831-836 (1985)
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B/D	M.E.A. Reith et al., "Structural Requirements for Cocaine Congeners to Interact with [ <sup>3</sup> H]Batrachotoxinin A 20- $\alpha$ -Benzoate Binding Sites on Sodium Channels in Mouse Brain Synaptosomes", <u>J. Biol. Chem.</u> , 261(16), pp. 7300-7305 (1986)
B/D	S.M. Roberts et al., "Cocaethylene Hepatotoxicity in Mice", <u>Biochem. Pharmacol.</u> , 43(9), pp. 1989-1995 (1992)
B/D	S.M. Roberts et al., "An Assay for Cocaethylene and Other Cocaine Metabolites in Liver Using High-Performance Liquid Chromatography", <u>Anal. Biochem.</u> , 202, pp. 256-261 (1992)
B/D	R.H. Rohrbaugh and P.C. Jurs, "Prediction of Gas Chromatographic Retention Indexes for Diverse Drug Compounds", <u>Anal. Chem.</u> , 60(20), pp. 2249-2253 (1988)
B/D	H.-L. Schmidt and G. Werner, "Synthetischer Einbau von <sup>14</sup> C in (-)-Cocain, (-)-Ekgonin und Derivate", <u>Ann.</u> , 653, pp. 184-194 (1962)
B/D	R.M. Smith, "Ethyl Esters of Arylhydroxy- and Arylhydroxymethoxycocaines in the Urines of Simultaneous Cocaine and Ethanol Users", <u>J. Anal. Toxicol.</u> , 8(1), pp. 38-42 (1984)
B/D	D.L. von Minden and N.A. D'Amato, "Simultaneous Determination of Cocaine and Benzoylcegonine in Urine by Gas-Liquid Chromatography", <u>Anal. Chem.</u> , 49(13), pp. 1974-1977 (1977)
B/D	G. Werner and K.H. Störr, "Labelled Tropane Alkaloids. VI. Synthesis of [N-methyl-T1] Psicain-nue and of Polytopically Tritiated Psicain", <u>Liebigs Ann. Chem.</u> , pp. 1650-1654 (1974)

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6-7-2004

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